

## **REQUEST**

For received Office use only
International Application No.
International Filing Date
V. C.
Name of receiving Office and "PCT International Application"

	international Filing Da	iic			
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"				
	Applicant's or agent's file reference (if desired) (12 characters maximum) 525PUR157				
Box No. I TITLE OF INVENTION MAGNETIC NANOMATERIALS AND METHOD	<u></u>				
Box No. II APPLICANT This perso	n is also inventor	<b></b>			
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this	Telephone No.			
PURDUE RESEARCH FOUNDATION 1291 Cumberland Avenue	•	Facsimile No.			
West Lafayette, Indiana 47906 US		Teleprinter No.			
		Applicant's registration No. with the Office			
State (that is, country) of nationality: US	of residence:				
This person is applicant for the purposes of:  all designated the United States  all designated the United States		the United States of America only the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)				
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of a Box is the applicant's State (that is, country) of residence if no State of residence.  LEE, Gil U.  411 North 400 West West Lafayette, Indiana 47906 US	he address indicated in this	This person is:  applicant only  applicant and inventor inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office			
State (that is, country) of nationality: US	State (that is, country) US	of residence:			
This person is applicant all designated all designate for the purposes of:		the United States of America only the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated of	on a continuation sheet.				
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	as:	agent common representative			
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of co	Telephone No. 317-634-3456				
James B. MYERS, Jr. WOODARD, EMHARDT, MORIARTY, MCNETT & H Bank One Center/Tower, Suite 3700	Facsimile No. 317-637-7561				
111 Monument Circle Indianapolis, Indiana 46204 US	Teleprinter No.				
SEE CONTINUATION TO BOX NO. IV ON SHEET N	Agent's registration No. with the Office 42,021				
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.					

Continuation of Box No. III FURTHER APPLICANT(S) A	ND/OR (FURTHER)	INVENTOR(S)
If none of the following sub-boxes is used, this sheet should not	be included in the re-	quest.
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence ANDRES, Ronald P. 1003 North 21st Street Lafayette, Indiana 47904 US	y, full official designation. address indicated in this	This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office
State (that is, country) of nationality: US	State (that is, country, US	) of residence:
This person is applicant all designated for the purposes of:		the United States of America only the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	address indicated in this	This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country)	of residence:
This person is applicant for the purposes of:  all designated States all designated the United States		the United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is	address indicated in this	This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)
	 من من م	Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country)	of residence:
This person is applicant for the purposes of:  all designated States all designated the United State	States except es of America	the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is	address indicated in this	This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country)	of residence:
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This person is applicant for the purposes of:  all designated States all designated States all designated States.		the United States in the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated on	another continuation s	heet.

Box No. V D	ESIGNATION OF STATE	<u> </u>		ark the applicable check-boxes below	, ai i	1612	t one must be marked.	
The following	designations are hereby made	under	r Rı	ule 4.9(a):				
Regional Pate	-			, .				
AP ARII SL Si State specij	PO Patent: GH Ghana, G erra Leone, SZ Swaziland, T which is a Contracting State by on dotted line)	Z Unite	ited he H	oia, KE Kenya, LS Lesotho, MW Republic of Tanzania, UG Uganda, I Iarare Protocol and of the PCT (if o	ZM : ther :	Zan kind	nbia, ZW Zimbabwe, and any other d of protection or treatment desired,	
RU R Patent	• "							
Reput	olic, DE Germany, DK Denn	nark, E	EE	n, BG Bulgaria, CH & LI Switzerlan Estonia, ES Spain, FI Finland, FR tembourg, MC Monaco, NL Netherla	Fran	ıce,	GB United Kingdom, GR Greece,	
SK SI	ovakia, TR Turkey, and any	other S	Stat	e which is a Contracting State of the	e Eu	горе	ean Patent Convention & of the PC	
GA G TD CI	abon, GN Guinea, GQ Equa had, TG Togo, and any other	torial State	l Gu wh	n, CF Central African Republic, CG innea, GW Guinea-Bissau, ML Malich is a member State of OAPI and a dotted line)	i, Mi a Cor	R M	Mauritania, NE Niger, SN Senegal, cting State of the PCT (if other kind	
National Pate	ent (if other kind of protection	ı or tre	reati	ment desired, specify on dotted line):				
	Arab Emirates	<b>X</b> G	GM	Gambia			New Zealand	
AG Antiqua	and Barbuda	Ян	HR	Croatia	X	ОМ	Oman	
X AL Albania		ЖН	HU	Hungary				
M Ameni	a	M II	D	Indonesia			Poland	
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DE BA BOSNIA	and Herzegovina			Kenya				
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BZ Belize.		<b>X</b> K	KR	Republic of Korea	<b>X</b> 5	SK	Slovakia	
X CA Canada				Kazakhstan				
	vitzerland and Liechtenstein						Tajikistan	
		X LI	LK :	Sri Lanka		ТМ	Turkmenistan	
CO Colomb	ia "	🗵 LI	LR :	Liberia		TN	Tunisia	
CR Costa R	ica	X LS	LS	Lesotho		TR	Turkey	
<b>EXICU</b> Cuba			-T	Lithuania	X	TT	Trinidad and Tobago	
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ES Spain .				Macedonia				
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GB United I				Malawi				
GD Grenada				Mexico				
				Mozambique				
GH Ghana.		M NC	O I	Norway		ZW	Zimbabwe	
Check-boxes bel	ow reserved for designating s ragua	States	wh	ich have become party to the PCT as Syrian Arab Republic	fter i	issu	ance of this sheet:	
				to the designations made above, the				
other designation	ns which would be permitted	l under	er th	to the designations made above, the ne PCT except any designation(s) in t declares that those additional design	dicat	ted	in the Supplemental Box as being	

any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. III" or "Continuation of Boxes No. III and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

## Continuation to Box No. IV Agent

Agen

EMHARDT, C. David; NAUGHTON, Joseph A., Jr.; MORIARTY, John V.; McNETT, John C.; HENRY, Thomas Q.; DURLACHER, James M.; REEVES, Charles R.; WAGNER, Vincent O.; ZLATOS. Steve: BEREVESKOS, Spiro; BROWNING, Clifford W.; FRISK, R. Randall; LUEDERS, Daniel J.; GANDY, Kenneth A.; THOMAS, Timothy N.; JONES, Kurt N.; ALLIE, John H.; BANTA, Holiday W.; COLE, Troy J.; PAYNTER, L. Scott; MEYER, Charles J.; SCHANTZ, Matthew R.; COY, Gregory B.; HIDAY, Lisa A.; DANILUCK, John V.; BROWN, Christopher A.; USHER, Arthur J. IV; COLLIER, Douglas A.; SCHEPERS, Brad A.; STEVENS, Scott J.; MYERS, James B. Jr.; BRADSHAW, John M.; SCHMAL, Charles P.; NOVAK, David E.; SOWERS, Edward E.; CANTRELL, Quentin G.; ROBERTS, John L.; EMANUELE, John J.; GOSNELL, Denise M.; HOUDEK, Jason A.; WHERRY, Michael S.; BARTOL, Michael C., all of Woodard, Emhardt, Moriarty, McNett & Henry LLP, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, Indiana 46204 United States of America

Sheet No. . . 5.

Age		V
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: 525PUR157

Box No. VI PRIORITY	CLAIM			
The priority of the following	g earlier application(s) is here	by claimed:		
Filing date	Number	V	Where earlier application	is:
of earlier application (day/month/year)	of earlier application	national application: country	regional application:* regional Office	international application: receiving Office
item (1) (28.06.02) 28 June 2002	60/392,192	us		
item (2) (24.02.03) 24 February 2003	10/373,609	us		
item (3) (24.02.03) 24 February 2003	10/373,600	us <sub>.</sub>		
item (4)				
item (5)				
Further priority claims	are indicated in the Suppleme	ental Box.		
if the earlier application was	ested to prepare and transmit filed with the Office which for	to the International Bureau the purposes of this interna	a a certified copy of the entional application is the r	earlier application(s) (only receiving Office) identified
above as:  all items item (	(1) <b>X</b> item (2) <b>X</b>	item (3) item	(4) item (5)	other, see Supplemental Box
* Where the earlier applicati Industrial Property or one M	on is an ARIPO application, is ember of the World Trade O	ndicate at least one country rganization for which that e	party to the Paris Conve earlier application was fil	ention for the Protection of led (Rule 4.10(b)(il)):
Box No. VII INTERNAT	IONAL SEARCHING AU	ГНОRITY		
Choice of International Sea international search, indicate	arching Authority (ISA) (if to the Authority chosen; the two	two or more International S -letter code may be used):	earching Authorities are	competent to carry out the
ISA / .US				
Request to use results of ea International Searching Auth	rlier search; reference to to	hat search (if an earlier se	earch has been carried ou	it by or requested from the
Date (day/month/year)	Numb	oer Coun	try (or regional Office)	
24 February 2003 (24,0 24 February 2003 (24,0				
Box No. VIII DECLARAT				
	are contained in Boxes Nos. te in the right column the num			Number of declarations
Box No. VIII (i)	Declaration as to the identit	ry of the inventor		:
Box No. VIII (ii)	Declaration as to the applied date, to apply for and be gr		e international filing	:
Box No. VIII (iii)	Declaration as to the appli date, to claim the priority		ne international filing	:
Box No. VIII (iv)	Declaration of inventorship United States of America)	p (only for the purposes of	the designation of the	:
Box No. VIII (v)	Declaration as to non-preju	idicial disclosures or excep	ptions to lack of novelty	:

	Sheet No	
Box No. IX CHECK LIST; L. GUAGE		
This international application contains:  (a) the following number of sheets in paper form:  request (including declaration sheets) : 6  description (excluding sequence listing part) : 68  claims : 7  abstract : 1  drawings : 22  Sub-total number of sheets : 104  sequence listing part of description (actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (b) below) : N/A  Total number of sheets : 104  (b) sequence listing part of description filed in computer readable form  (i)  only (under Section 801(a)(i))  (ii)  in addition to being filed in paper form (under Section 801(a)(ii))  Type and number of carriers (diskette, CD-ROM, CD-R or other) on which the sequence listing part is contained (additional copies to be indicated under item 9(ii), in	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):  1.  fee calculation sheet  2.  original separate power of attorney  3.  original general power of attorney  4.  oopy of general power of attorney; reference number, if any:  5.  statement explaining lack of signature  6.  priority document(s) identified in Box No. VI as item(s):  7.  translation of international application into (language):  8.  separate indications concerning deposited microorganism or other biological material  9.  sequence listing in computer readable form (indicate also type and number of carriers (diskette, CD-ROM, CD-R or other))  (i)  copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)  (ii)  (only where check-box (b)(i) or (b)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter  (iii)  together with relevant statement as to the identity of the copy or copies with the sequence listing part mentioned in left column	:
Figure of the drawings which	10. other (specify): Transmittal Letter; Postcard:	: 2
Figure of the drawings which should accompany the abstract: None	Language of filing of the international application: English	
Box No. X SIGNATURE OF APPLICANT	T, AGENT OR COMMON REPRESENTATIVE uning and the capacity in which the person signs (if such capacity is not obvious from readin	ng the request).
Applicants: PURDUE RESEARCH FOUNDATION Gil U. LEE Ronald P. ANDRES	Agent:  James B. Myers L  James B. MYERS Jr.)	
	— For receiving Office use only	
Date of actual receipt of the purported international application:      Corrected date of actual receipt due to later be timely received papers or drawings completing the purported international application:	out	wings:
4. Date of timely receipt of the required corrections under PCT Article 11(2):	no no	ot received:
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	
Date of receipt of the record copy by the International Bureau:	For International Bureau use only	